

SUPRUNENKO, V.A.; FAYNBERG, Ya.B.; TOLOK, V.T.; SUKHOMLIN, Ye.A.; REVA, N.I.;
BURCHENKO, P.Ya.; RUDNEV, N.I.; VOLKOV, Ye.D.

Electromagnetic radiation from a plasma produced by a straight
high-current discharge. Atom. energ. 14 no.4:349-352 Ap '63.
(MIRA 16:3)

(Plasma (Ionized gases)) (Electromagnetic waves)

RUDNEV, N.I.; SUPRUNENKO, V.A.; VOLKOV, Ye.D.; SUKHOMLIN, Ye.A.

Operation of controllable spark gaps in parallel connection
and in a "shortener" circuit. Zhur. tekhn. fiz. 31 no.11:1344-
1349 N '61. (MIRA 14:11)

1. Fiziko-tekhnicheskiy institut AN USSR, Khar'kov.
(Electric discharges)
(Electric apparatus and appliances)

Ry DNEU, N.I.

307/10-59, a-25/29

30

AUTHORS: Velichko, A.A., and Mints, A.A.
TITLE: The Sixth Conference of Young Scientific Workers of the Institute of Geography at USSR (Institute of Geography AS USSR)
PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya Geograficheskaya, 1959, No. 4, pp 152-154 (USSR)
ABSTRACT: The article covers the Sixth Conference of Young Scientific Workers of the Institute of Geography AS USSR which took place in mid-March, 1959. Reports were read by the following scientific workers: I. Golitsyn reported on "Some Genetic Regularities in the Distribution of Atmospheric Precipitation", V. Kotlyakov and E. A. Yevseyev commented on structural methods in snow-melt ice research in the Antarctic region; I. A. Mikhlin spoke on the connection between the relief and hydrographical network and the most tectonic movements in the Northern Trans-Ural area. A. P. Ochevnikova evaluated the evaporation according to the water balance method from the African continent; A. A. Kizyova discussed evaporation conditions in the Gulf of Kara-Bo-Gaz-Gol, M. I. Lebedeva spoke on the impact of solar radiation on snow during its melting in the Trans-Volga region; A. A. Kizyova spoke on snow radiation near the Elbrus "Scientific Station"; I. A. Mikhlin lectured on snow conditions in the mountains of Central Caucasus; M. M. Orlov spoke on his new method to measure the amount of snow stored by winds, whereby snow-flakes are reported by a photographic device; Yu. A. Ruzhik, Yu. A. Kizyova, and M. M. Orlov spoke on the heat balance observations that were carried out at the Zaporozhskaya Scientific Station near Yuzovka; A. A. Kizyova lectured on spring water discharge and M. M. Orlov lectured on thermal water discharge and M. M. Orlov lectured on how to calculate the maximal spring water discharge in the Yenisey and Lena rivers according to the method of the "Maksimov sea level" which occurred on sea levels of the "Maksimov sea level" in the century and 2. I. A. Mikhlin on the lake levels in the century depression during 1949-1958; I. A. Mikhlin lectured on the rivers and lakes of the Vitiya plateau; V. A. Kizyova discussed Pliocene forms of relief in the valleys of the Kama basin; A. A. Velichko elucidated on loess deposits in the central areas of the Russian Plain; I. A. Mikhlin lectured on "Torrent-Like Phenomena in the Caucasus" and A. A. Kizyova on "Classification of Torrents in Central Caucasus"; A. A. Kizyova gave a systematic survey of the Central Ural; M. M. Orlov lectured on the division of the Trans-Ural into steppe areas into single relief types.

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Card 3/5

RUDNEV, N. I.

AID Nr. 981-5 3 June

COHERENT EM RADIATION FROM A HIGH CURRENT DENSITY PLASMA
(USSR)

Suprunenko, V. A., Ya. B. Faynberg, V. T. Tolok, Ye. A. Sukhomlin,
N. I. Reva, P. Ya. Burchenko, N. I. Rudnev, and Ye. D. Volkov. Atomnaya
energiya, ~~14~~ no. 4, Apr 1963, 349-352. S/089/63/014/004/001/019

Results are given of experiments with plasma discharges at high current densities. Intense radial EM radiation was detected which was coherent and close to Langmuir frequency. Test apparatus included an aluminum discharge tube, 10 cm in diameter and 25 cm in length, charged with H_2 ; aluminum electrodes, connected by a 15- μ f capacitor bank charged to 30-40 kv and yielding a discharge current of about 100 kAmp; an axial magnetic field variable from 0 to 10 kGs. Efforts to insure repeatability included the use of metal vacuum seals and a titanium pump, the baking of the apparatus at 300°C, and pre-ionization of the gas mixture prior to discharging. Electric field gradients of 300-500 v/cm gave a high "runaway" electron condition in the discharge beam.

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AJD Nr. 981-5 3 June

COHERENT EM RADIATION [Cont'd]

8/089/63/014/004/001/019

This current was measured by means of a Faraday cell and a Rogovsky belt, both located at one electrode. A typical test result at a 6-kgs field strength and a 3-4- μ sec plasma life showed that coherent EM radiation received by a horn antenna through the tube wall and detected over the 8-14.4-mm wavelength region was as much as 10^7 times more intense than thermal radiation from a plasma of 10-ev electron temperature, and was constant along the column. Coherence was detected by two probe antennas placed 11 mm apart in the column and connected to an 8-mm interferometer. Variation of the magnetic field from 0 to 8 kgs had no effect on observed radiation. Variation of other parameters revealed a sharply critical value of runaway electron current, below which radiation is absent and above which it rises rapidly in intensity accompanied by a dip in runaway current. This verified a casual relationship between the two. The relation of radiation intensity to initial gas pressures and to radial distance from the plasma column are also discussed. [SH]

Card 2/2

RUDNEV, Nikolay Mikhaylovich; NUTOV, Lev Oskarovich; SOKOLOVSKAYA,
T.A., red.; ZARSHCHIKOVA, L.N., tekhn. red.

[Processing of by-products in the wine-making industry] Pere-
rabotka vtorichnogo syr'ia vinodel'cheskoi promyshlennosti.
Moskva, Fishchepromizdat, 1962. 61 p. (MIRA 15:10)
(Wine and wine making--By-products)

ACC NR: AP6032246

SOURCE CODE: UR/0016/66/000/009/0070/0074

AUTHOR: Taran, I. F.; Pogorelov, N. A.; Kulikova, G. G.; Kutsemakina, A. Z.;
Rudnev, M. M.; Nelyapin, N. M.; Rudneva, V. A.; Suvorova, A. Ye.

ORG: Stavropol' branch, "Microbe" ^{Scientific} Antiplague Research Institute (Stavropol'skiy
filial, Nauchno-issledovatel'skogo protivochymnogo instituta "Mikrob")

TITLE: Brucellosis cultures isolated from rodents and their ectoparasites

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1966, 70-74

TOPIC TAGS: ~~brucella~~, ~~brucella~~, epidemiology, disease vector, rodent,
parasite, animal disease, tularemia, brucellosis

ABSTRACT: Twenty-eight *brucella* cultures were isolated from wild rodents,
their ectoparasites and from domestic swine during a study of
the effects of tularemia vaccination and infection upon *brucella*
penetration. Bacteriological as well as phage typing methods
were used in identifying the individual strains. There was no
difference in cultures isolated from wild and domestic animals.
Prolonged passaging of *brucella* cultures in mice vaccinated with
tularemia vaccine and infected with virulent tularemia strains

Card 1/2

UDC: 576.851.42

ACC NR: AP6032246

did not alter their cultural or biochemical properties. Transmission of *brucella* from wild rodents to the domestic hogs used in this study was established. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: 29Jan66/ ORIG REF: 004/

Card 2/2

ACC NR: AP6032246

SOURCE CODE: UR/0016/66/000/009/0070/0074 3

AUTHOR: Taran, I. F.; Pogorelov, N. A.; Kulikova, G. G.; Kutsemakina, A. Z.;
Rudnev, M. M.; Nelyapin, N. M.; Rudneva, V. A.; Suvorova, A. Ye.

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TOPIC TAGS: ~~rodentia~~, ~~brucella~~, epidemiology, disease vector, rodent,
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ABSTRACT: Twenty-eight *brucella* cultures were isolated from wild rodents,
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the effects of tularemia vaccination and infection upon *brucella*
penetration. Bacteriological as well as phage typing methods
were used in identifying the individual strains. There was no
difference in cultures isolated from wild and domestic animals.
Prolonged passaging of *brucella* cultures in mice vaccinated with
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SUB CODE: 06/ SUBM DATE: 29Jan66/ ORIG REF: 004/

Card 2/2

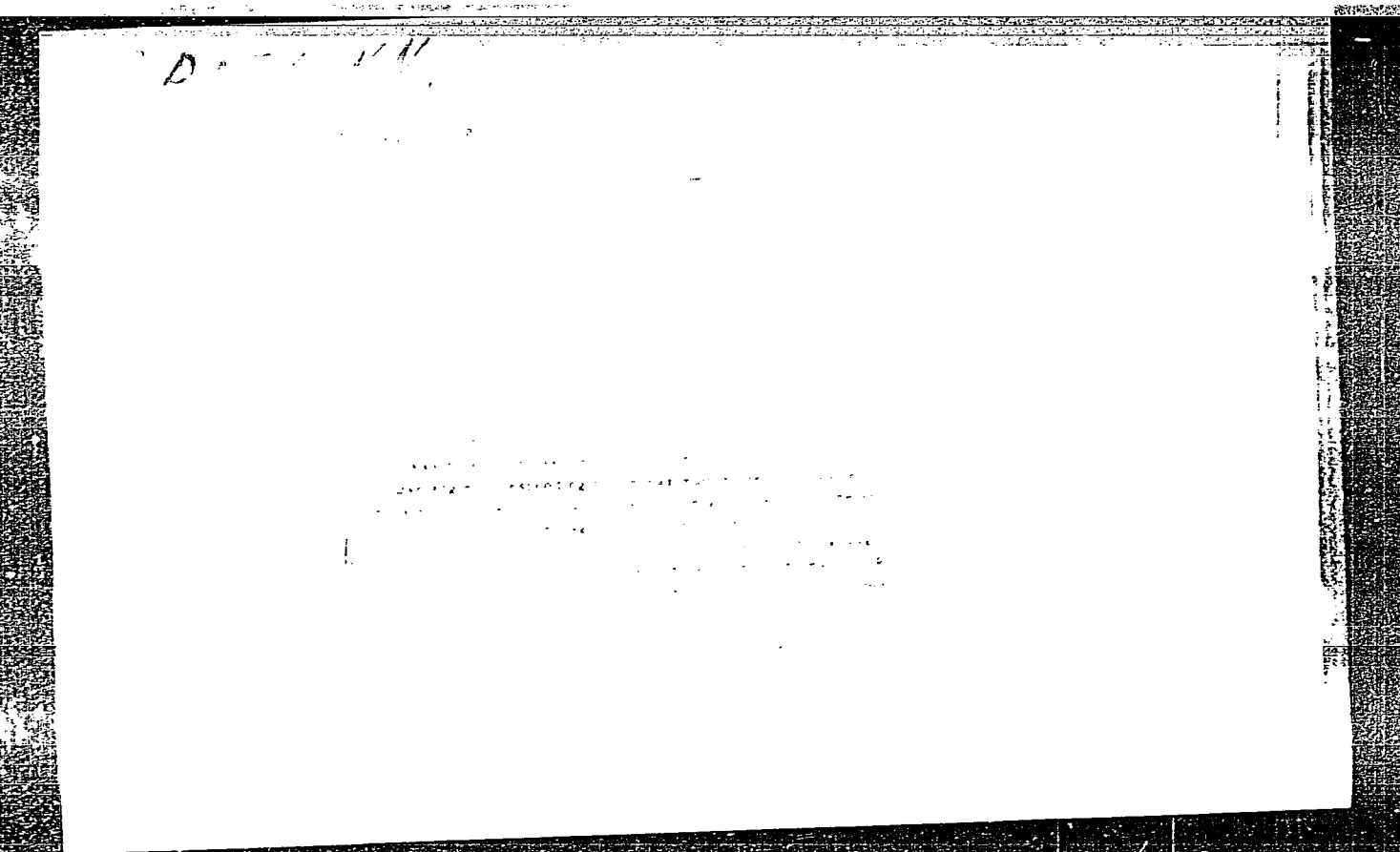
RUDNEV, N.N., inzh.

New interpretation of seamanship problems. Sudostroenie 29
no.6:67-68 Je '63. (MIRA 16:7)

(Seamanship)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001445930005-0



APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001445930005-0"

RUDNEV, N.N.

Mechanization and automatization of industrial processes
is the basis for the development of industrial production.
Stroi.1 dor.mashinostr. 4 no.8:31-33 Ag '59.
(MIRA 12:12)

(Industrial management) (Automation)

USSR / Cultivated Plants. Commercial, Oleaceous,
Sugar Bearing.

Abs Jour

: Ref Zhur - Biologiya, No 2, 1959, No. 6339

Author

: Rudnev, N. V.

Inst

: Bashkir Agricultural Institute
: Contribution to the Problem of the Study
of Wild Hemp in Order to Improve Cultivated
Hemp on a Selective Basis

Title

Orig Pub

: Tr. Bashkisk. s.-kh. in-ta, 1957, 8, No 2,
67-74

Abstract

: A study of the biology of the wild hemp showed
that it is substantially different from the
cultivated variety. The seeds of cultivated
hemp lose all their germinating capacity,
when they remain in the soil at a depth of
over 15 cm for two years. In the case of wild

Card 1/3

USSR / Cultivated Plants. Commercial, Oleaceous,
Sugar Bearing.

M-4

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6339

hemp, this capacity is preserved by 26 - 48% of the seeds. After harvesting, the ripening period in the seeds of wild hemp is much longer than in those of the cultivated hemp. The germinating capacity of the seeds of wild hemp continues to exist after 5 years of storage. However, the seeds of cultivated hemp lose this capacity after 3 years. The stigma's period of receptivity to pollen and the conservation of fecundity is almost twice as long in the case of the wild hemp as in the cultivated type. Wild hemp produces 10 - 20% more seeds and 10 - 13% more fiber than the cultivated variety. It is more resistant to hemp flea-beetles (Paylliodes

Card 2/3

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USSR / Cultivated Plants. Commercial, Oleaceous,
Sugar Bearing.

M-4

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6339

attenuata) and utilizes the supply of nutrient
substances in the soil better. The hybrids
of wild and cultivated hemp surpass the
parental varieties with regard to the yield
of seeds and of fiber. -- G. Yu. Dinesman

Card 3/3

PRAVDA, Ye.I.; ORLOVA, A.P.; RUDNEV, N.V.

Production of the grape vacuum must at the canneries in
Moldavia. Kons.i ov.prom. 15 no.1:4-9 Ja '60.
(MIRA 13:5)

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti (for Pravda). 2. Gosudarstvennyy nauchno-
tekhnicheskoy komitet pri Sovete Ministrov Moldavskoy SSR (for
Orlova, Rudnev).
(Moldavia--Must)

RUDNEV, N. V. and P. A. SAMOILOVICH.

Tekhnicheskaya eksploatatsiya i montazh pod"- emno-transportnykh mashin. Utverzhd.
v kachestve uchebn. posobiia dlia vtuzov rechnogo transporta. Leningrad, Izd-vo
Min. rechn. flota SSSR, 1946. 363 p. illus.

Technical operation and installation of hoisting and conveying machines.

DLC: TJ1350.R8

SO: Manufacturing and Mechanical Engineering in the Soviet Union,
Library of Congress, 1953.

DOI'NITSKIY, B.N., inzh.; RUDNEV, O.L., inzh.

Problem concerning the class of precision of single-phase watt-hour meters. Elektrichestvo no.11:70-73 N '61. (MIRA 14:11)

1. Vil'nyusskiy zavod elektroschetchikov.
(Watt-hour meters)

L 6371-66 EWT(d)/EWP(1) IJP(c) BB/GG

ACC NR: AP5026746

SOURCE CODE: UR/0286/65/000/017/0022/0023

INVENTOR: Rudnev, O. V.

ORG: none

TITLE: A device for converting pulse amplitude to the corresponding duration.
Class 21, No. 174211

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 22-23

TOPIC TAGS: pulse coding, pulse conversion, amplitude duration converter 16C

ABSTRACT: This Author's Certificate introduces a device for converting pulse amplitude to the corresponding duration. This converter uses comparison with the clamping threshold of the exponentially decaying voltage across the capacitor in an RC circuit which is charged through a resistor in the grid-cathode section of the converter tube and discharged through the resistor in the RC circuit. The converter is simplified by connecting the capacitor in the RC circuit in series with the grid of the converter tube and the pulse source, while the resistor in this circuit is connected between the grid and the power supply. The load is connected in the plate circuit of the tube. The pulse taken from the load is equal in duration to the cutoff period of the tube with respect to the grid voltage across the capacitor in the RC circuit and the given amplitude of the input pulse.

UDC: 621.376.5

Card 1/2

L 6371-66

ACC NR: AP5026746

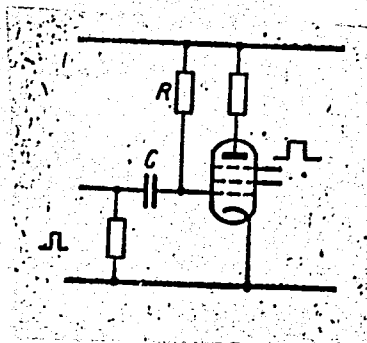


Fig. 1.

SUB CODE: DP,EC/

SUBM DATE: 25Jul60/

ORIG REF: 000/ OTH REF: 000

Card ^{nw}
2/2

RUDNEV, O.V.

Autotransformer with automatic regulation of the output voltage.
Priborostroenie no.3:24 Mr '63. (MIRA 16:6)

(Electric transformers)
(Voltage regulators)

RUDNEV, O.D.

PHASE I BOOK EXTENSION SOV/3600

Tekhnika nefti i gazov: sbornik statey po ispol'zovaniyu radioaktivnykh izotopov
i ispol'zovaniyu geologii nefti (Nuclear Geology: Collection of Articles on
the Use of Radioactive Radiation and Isotopes in Petroleum Geology) Moscow,
Gosizdatkhimiat, 1979. 370 p. Errata slip inserted. 4,000 copies printed.

Ed.: P.A. Alekseyev, Professor, Doctor of Geological and Mineralogical Sciences;
Exec. Ed.: A.P. Kharin, Prof. Sci.: A.S. Polosin.

FOREWORD: This book is intended for petroleum geologists, geophysicists and sci-
entists engaged in geological research who are interested in radioisotopic tech-
niques of petroleum prospecting.

CONTENTS: The collection contains 28 articles compiled by staff members and
aspirants of the Laboratory for Nuclear Geology and Geophysics of the Petroleum
Institute (now the Institute for Geology and Mineral Fuel Processing) of the All-
Union Scientific Research Institute of Geophysics and the heads of councils
for planning research projects for petroleum geology. The articles treat
various methods of radioisotopic surveying in petroleum geology, describe radio-
metric instruments (counters, etc.) for registering neutrons and gamma rays,
give the results of research with models of oil strata, introduce funda-
mental data of a new method for effectively utilizing radioactivity in the anal-
ysis of rock samples from petroleum-saturated strata, describe the use of the
method in the study and interpretation of radioisotopic measurements in bore
holes are reviewed, as well as the results of studies in the nonabsorption
of tritium in tracing the movement of water in the strata, and the use of the
method in the study of the movement of water in the strata. Finally, a new method
of prospecting for petroleum deposits is described. In personal-
ities are mentioned. References accompany each article.

Index: 100

Oil Fields by the Method of Induced Radioactivity of Sodium

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RUDNEV, G.V.

Investigation of single core logging cable as a communication channel in a pulse system of information transmission. Izv. vys. ucheb. zav.; neft' i gaz 6 no.7:89-95 '63.

(MIRA 17:8)

2. Azerbaydzhanskiy institut nefti i khimii imeni Azizbekova.

RUDNEV, O.V.

Strobe pulse generator for the commutator of a multichannel telemetering system with time division of channels. Za tekhn. prog. 3
no.12:7-8,15 D '63. (MIRA 17:2)

1. Spetsial'noye konstruktorskoye byuro po geofizicheskomu priborostroyeniyu tresta "Azneftegeofizika".

RUDNEV, O.V.

Portable device for electric logging on a single-wire cable. Razved. i
prom. geofiz. no.46:86-95 '62. (MIRA 16:3)
(Electric prospecting--Equipment and supplies)

RUDNEV, P., podpolkovnik; MATYASH, V., podpolkovnik

Preparation for firing. Voenn. vest. 42 no.8:91-93 Ag '62.
(MIRA 15:7)
(Antiaircraft artillery)

RUDNEV, P.

Polytechnical education and general knowledge of electrical engineering among the people. Elektrichestvo no.1:82 Ja '54.

(MLRA 7:2)

1. Tekhnika elektropodstantsii shakhty Komi ASSR.
(Electric engineering) (Engineering--Study and teaching)

PROCESSES AND PREPARATION

Method of detecting arsenious acid. M. M. Rudnev and P. M. Rudnev. *Zavodskaya Lab.* 13, 128(1947).— To 3 ml. of the soln. neutralized to a pH of 7-8 add dropwise 0.1 N AgNO₃ to complete pptn. and boil for 3-4 min. Blackening of the ppt. after the boiling confirms arsenite.

Phosphates, arsenates, sulfates, nitrates, chlorides, and starch do not interfere. A method is suggested for the analysis of seeds treated with arsenious compound.

B. Z. K.

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

GENERAL INDEX

ALPHABETIC INDEX

NUMERICAL INDEX

SYMBOLIC INDEX

CLASSIFICATION

ALPHABETIC INDEX

NUMERICAL INDEX

SYMBOLIC INDEX

CLASSIFICATION

RUDNEV, P.S., brigadir

With good rating. Transp. stroi. 15 no.2:32 F '65. (MIRA 12:3)

SU-208 tresta Sredaztransstroy.

RUDNEV, P.V.

Outstanding theorist of technical education. Politekh.obuch. no.2:7-15
F '59. (MIRA 12:3)

(Krupskaya, Nadezhda Konstantinovna, 1869-1939)
(Technical education)

RUDNEV, P.V.

Basic instruction in electricity for everybody. Politekh. obuch.
no.5:9-13 My '58. (MIRA 11:5)
(Lenin, Vladimir Il'ich, 1870-1924)
(Electric engineering--Study and teaching)

RUDNEV, P.V.

RUDNEV, P.V.

Shortcomings of new programs on practical work and the principles
of industrial education. Politekh.obuch. no.2:12-23 F '57.

(MLRA 10:5)

(Technical education)

LEVITSKAYA, O.M.; BRESLER, V.A.; RUDNEV, S.A.

Using the imported "MAS" machine for manufacturing articles of glass plastics by the spraying method. Plast.massy no.12:26-31 '61. (MIRA 14:12)

(Glass reinforced plastics)
(Plastic spraying)

BUJNEV, S.G.

Filmstrips. Nauka i pered.op.v sel'khoz.7 no.1:88-90 Ja '57.
(Agriculture--Study and teaching) (MLRA 10:2)

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

RUDNEV, S. S.

CA

Construction of pumps in Russia. S. S. Rudnev and V. A. Stefanovskii. *Khim. Mashinostroyeniya* 1946, No. 4, 25-30. —A review of progress in Russia during the last 16 yrs. B. Z. Kamich

ASM-SEA METALLURGICAL LITERATURE CLASSIFICATION

1946-1947

1948-1949

1950-1951

1952-1953

1954-1955

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1958-1959

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1962-1963

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NEKRASOV, Boris Borisovich; BURAGO, G.F., prof., doktor tekhn.nauk;
KOSOUROV, K.F., prof., retsenzent; FABRIKANT, N.Ya., retsenzent;
RUDNEV, S.S., retsenzent; SHIL'TSEV, A.N., red.; STREL'NIKOVA,
M.A., tekhn.red.

[Hydraulics] Gidravlika. Moskva, Voen.izd-vo M-va obor.SSSR,
1960. 260 p. (MIRA 13:5)
(Hydraulics)

VOYTASHEVSKIY, D.A., kandidat tekhnicheskikh nauk; ~~RUDNITSKIY, S.G.~~, kandidat tekhnicheskikh nauk, redaktor; ITKIN, I.M., inzhener, zaveduyushchiy redaksiyey; MODEL', B.I., tekhnicheskii redaktor; TIENCHOV, A.Ya., tekhnicheskii redaktor.

[Calculation and investigation of hydraulic turbine cascades]
Raschety i issledovaniia gidrodinamicheskikh reshetok. Gos. nauchno-tekhnicheskoe izdatel'stvo mashinostroitel'noi lit-ry. Moskva, 1963. 86 p. (Vsesoyuznyi nauchno-issledovatel'skii institut gidromashinostroeniia. Trudy, no.16). (MIRA 10:7)

(Hydraulic turbines)

GOLUBEV, Aleksey Ivanovich; RUDNEV, S.S., kand. tekhn. nauk, retsentsent; KARGANOV, V.G., inzh.red.; DOBRITSYNA, R.I., tekhn.red.; GORDEYEVA, L.P., tekhn.red.

[Labyrinth pumps for the chemical industry] Labirintnye nasosy dlia khimicheskoi promyshlennosti. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 72 p. (MIRA 14:8)
(Pumping machinery)

RUDNEV, S.V.; KUROCHKINA, V.A., inzh.

Pneumatic removal of waste in sorting and picking sections.
Tekst. prom. 18 no. 7:48-49 J1 '58. (MIRA 11:7)

1. Glavnyy energetik pryadil'no-tkatskogo kombinata "Krasnoye
znayso."

(Textile factories--Heating and ventilation)

RUDNEV, S. V. and GAGAPIN, E. I.

Teplovye dvigateli. Dop. v kachestve uchebnika dlia avtotransp.
tekhnikumov. Moskva, Mashgiz, 1949. 513 p. diagrs.
Bibliography: p. (500)

Heat engines.

DLC: TJ755.G3

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

RUDNEV, S.V., glavnyy energetik; KUROCHKINA, V.A., inzhener.

Centralized separator on a ring spinning frame. Tekst. prom.16
no.10:31-32 O '56. (MIRA 10:1)

1. Ramenskaya khlopchatobumazhnaya fabrika "Krasnoye znanya."
(Spinning machinery)

RUDNEV, V.A.

There was a ball in the joint gap; story. Put' i put. khoz.
8 no.5:43 My '64. (MIRA 17:6)

1. Starshiy dorozhnyy master, stantsiya Yelets, Yugo-
Vostochnoy dorogi.

RUNUSHKIN, Edison Alekseyevich; RUDNEV, Vladimir Fedorovich; BAL'CHEVA,
S.M., red.; LEONOVA, L.P., tekhn. red.

[Industry today and tomorrow] Segodnia i zavtra promyshlennosti.
Vladimir, Vladimirskoe knizhnoe izd-vo, 1960. 68 p.

(MIRA 14:12)

(Vladimir Province--Industries)

SOV/122-58-11-7/18

AUTHOR: Rudnev, V.I., Engineer (VPTI Tyazhelogo mashinostroyeniya)
TITLE: Mechanisation and Automation of Manufacturing Processes
in Heavy Engineering (Mekhanizatsiya i avtomatizatsiya
tekhnologicheskikh protsessov v tyazhelom mashinostroyenii)
PERIODICAL: Vestnik Mashinostroyeniya, 1958, Nr 11, pp 36-39 (USSR)
ABSTRACT: At the All-Union Engineering Design Institute for
Heavy Engineering (VPTI Tyazhelogo mashinostroyeniya),
a series of new machines for the mechanised production
of large shell moulds with thermoplastic mixtures has
been developed and prototypes have been constructed.
These include an installation for the preparation of
the thermoplastic moulding mixture, a machine, type
SKP-3M, for making shell half-moulds, a press for the
assembly and bonding of shell half-moulds and a
turntable transporter for filling of shell moulds with
metal. Development work on semi-automatic machines for
the making of shell cores with thermoplastic mixtures is
proceeding at the Institute in association with the
Kolomna Diesel Locomotive Works (Kolomenskiy
teplovozostroitel'nyy zavod) "Imeni Kuybysheva" and the

Card 1/5

SOV/122-58-11-7/18

Mechanisation and Automation of Manufacturing Processes in Heavy Engineering

Moscow "Dinamo" Works. The experimental operation of a new machine, type PPP-2, for making cores of rapidly drying mixtures has given satisfaction at the "Imeni Kuybysheva" Works. This machine is a sand blasting pulsating semi-automatic plant with an automatic operating cycle. The moulding mixture is shot from a 2 litre working cylinder into a closed mould box. The cylinder is replenished from an automatic dosage unit after each shot. Moulds with up to 20 cylinder volumes are filled and compacted in less than 14 seconds. At the Elektrostal'sk Heavy Engineering Works a mechanised production line is in preparation for the making of foundry moulds by means of an ordinary sand blasting machine. A precision casting section using the investment casting process with water-glass is being mechanised at the Uralmashzavod. Also at the Uralmashzavod, designs prepared by the Institute are being applied in making high frequency induction hardening installations for heavy components, namely:-

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BOV/122-58-11-7/18

Mechanisation and Automation of Manufacturing Processes in Heavy Engineering

(a) Machine for the hardening of straight and herring-bone helical spur gears and of bevel gears with diameters up to 2000 mm, weighing up to 7000 kg (Fig.2). Two such machines, front to front permit the hardening of gears up to 5 m. (b) Shaft hardening machine for plain, splined and integral gear shafts up to 6 m lengths, 0.6 m diameter and 10 tons weight. The length of the hardened section can reach 3 m. The shaft is mounted vertically as shown in Fig.3; (c) Machine for hardening hoisting gear components up to 1.5 m diameter and 2 ton weight; (d) Machine for the hardening of worms from 10 mm module to the highest known in practice as well as large screws with a hardened length up to 3 m. A semi-automatic machine for the hardening of rims and sleeves of gear couplings has been developed. A machine for multi-spindle drilling of centralised lubricating installation distribution housings (60-spindle horizontal drilling and tapping unit-built machine), illustrated in Fig.4, has been set to work.

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SOV/122-58-11.7/18

Mechanisation and Automation of Manufacturing Processes in Heavy Engineering

The drilling and tapping of 10 types and sizes of distributor housings has been fully automated. Electro-mechanical control apparatus for mechanising the production cycle in radial drilling machines, model 255, and an automatic dividing table are now manufactured which together permit the fully automatic machining of fixing holes in flanges and faces. A 37 m long machining unit for bulky components incorporating standard milling and boring heads, type LR-24, has been erected at the Novo-Kramatorsk Engineering Works. The development of means for setting up, clamping and inspecting large components during machining is proceeding. This includes a remotely controlled hydraulic precision jack for the precise positioning of jacking points in heavy components. An automated production line for standardised reduction gear boxes, type RM-400 and RM-500, has been in operation at the Leningrad "Krasnyy Metallist" Works.

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SOV/122-58-11-7/18

Mechanisation and Automation of Manufacturing Processes in Heavy Engineering

Automatic and remote control equipment for universal lathes is being developed in co-operation with the Automatic and Remote Control Institute of the Academy of Sciences of the USSR. There 6 illustrations including 5 photographs.

Card 5/5

RUDNEV, V.I., inzh.

Mechanization and automation of industrial processes in the heavy
machinery industry. Vest.mash. 38 no.11:36-39 N '58.

(MIRA 11:11)

1. Vsesoyuznyy proyektno-tekhnologicheskiy institut tyazhelogo mashino-
stroyeniya.

(Automation)

(Machinery industry)

RUDNEV, V. K., inz.

Resistance of sil to the cutting with rectangular knives.
Strojirenstvi 14 no. 3: 207-208 Mr '64.

1. Kharkovskiy avtomobil'nyy i dorozhnyy institut.

GOL'TSBERG, I.A., doktor geogr. nauk; VERIGO, S.A., kand. sel'khoz. nauk; SINEL'SHCHIKOV, V.V., kand. sel'khoz. nauk; BORISO-
GLEBSKIY, G.I., kand. geogr. nauk; OKUSHKO, A.A., kand.
geogr. nauk; RUDNEV, V.M., kand. geogr. nauk; DAVITAYA, F.F.,
akademik, otv. red.; ZHDANOVA, L.P., red.; ALEKSEYEV, A.G.,
tekh. red.

[Evaluation of the agroclimatic conditions of farm lands] Otsen-
ka agroklimaticheskikh uslovii sel'skokhoziaistvennykh polei.
Leningrad, Gidrometeor.izd-vo, 1961. 75 p. (MIRA 15:2)

1. Akademiya nauk Gruzinskoy SSR (for Davitaya).
(Crops and climate)

MIKHAYLOV, A.N., otv.red.; SAKULINSKAYA, M.G., otv.red.; GULINOVA, N.V.,
nauchnyy sotrudnik, retsenzent; KACHAYEVA, O.L., nachnyy sotrudnik,
retsenzent; POPOVSKAYA, O.M., nachnyy sotrudnik, retsenzent;
POBETOVA, T.A., nachnyy sotrudnik, retsenzent; RUDNEV, V.M.,
nachnyy sotrudnik, retsenzent; SAVZDARG, S.F., nachnyy sotrudnik,
retsenzent; USHAKOVA, T.V., red.; VLADIMIROV, O.G., tekhn.red.

[Agroclimatic reference book on Chuvashia] Agroklimaticheskii
spravochnik po Chuvashskoi ASSR. Leningrad, Gidrometeor.izd-vo,
1960. 127 p. (MIRA 13:11)

1. Gorkiy. Gidrometeorologicheskaya observatoriya. 2. Tsentral'nyy
institut prognozov (for Gulnova, Kachayeva, Popovskaya, Pobetova,
Rudnev, Savzdarg).

(Chuvashia--Crops and climate)

RUDNEV, VASILIIY MIKHAYLOVICH

VENTSKEVICH, Georgiy Zenonovich; KIRILICHEVA, Klavdiya Vasil'yevna;

RUDNEV, Vasilii Mikhaylovich; PROTOPOPOV, V.S., redaktor;

SOLOVEYCHIK, A.A., tekhnicheskii redaktor

[Using a knowledge of climate and weather in fruit growing]
Ispol'zovanie znaniy o klimate i pogode v plodovodstve. Pod
red. G.Z.Ventskevicha. Leningrad, Gidrometeor. izd-vo, 1957.
73 p. (MLRA 10:7)

(Meteorology, Agricultural) (Fruit culture)

RUDNEV, V.M.

Agricultural meteorological characteristics of growth and development conditions of winter crops during the fall season in the irrigated region of the Kuybyshev hydroelectric development. Trudy TSIP no.29:70-76 '53. (MLRA 8:6)
(Kuybyshev Hydroelectric Power Station region--Crops and climate)

RUDEKOV, V.N.

Reliability of data from prospecting drilling. Razved. i okh.
nedr. 30 no.3:38-39 Mr '64 (MIRA 18:1)

1. Vostochno-Kazakhstanskiy soveta narodnogo khozyaystva.

СЮКЛОВ, С.Л.; РУДНЕВ, В.М.; МОХИЛОВ, И.С.; ТРЕТВАС, М.Д., канд.
техн. наук, рецензент; ИВАНОВ, И.И., канд. техн. наук,
рецензент; БИТУШКОВА, И.К., инж., ред.

[Inverter units of traction substations; characteristics
of their operation and adjustment] Invertornye agregaty
tiagovykh podstantsii; osobennosti raboty i naladki. Mo-
skva, Transport, 1964. 45 p. (MIRA 17:8)

RUDNEV, V.N., kand.tekhn.nauk; MOCHENOV, I.G., kand.tekhn.nauk; GRINEERG, M.M.,
inzh.

Type 6UI-303 rectifier for substations. Elek. i tepl.tiaga 6
no.8:5-7 Ag '62. (MIRA 17:3)

MOCHENOV, I.G., kand. tekhn. nauk; SOKOLOV, S.D., kand. tekhn. nauk;
RUDNEV, V.N., kand. tekhn. nauk

Economic efficiency of the use of regenerative braking. Zhel.
dor. transp. 46 no.5:41-43 My '64. (MIRA 18:2)

RUSSIAN

...tion of the sources of errors in the reflection method, Part 2.
Izvest. geofiz. no.44:15-27 '65. (MIRA 18:9)

S/196/61/000/011/039/042
E194/E155

AUTHOR: Rudnev, V.N.

TITLE: Determination of the inductance of an inverter reactor when it is disturbed from the condition of maintaining regenerative braking in an electric locomotive

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.11, 1961, 6, abstract 11L 31. (Tr. Vses. n.-i. in-ta zh.-d. transp. no.206, 1961, 54-62)

TEXT: Reliable regeneration depends on stable operation of the invertors installed in traction substations. Causes of inverter failure are: breakdown, extinction of field arc and short-term (0.5 sec) reduction of primary a.c. voltage. If the time of loss of valve control is less than 0.02 seconds the inverter may be pulled into operation (without being disconnected) by a reactor with an inductance of 100 milliHenries. During unavoidable voltage-drops due to various kinds of transient short-circuit in the primary supply circuit, the inverter trips out of operation. In such cases a reactor with an inductance of

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✓

Determination of the inductance ... S/196/61/000/011/039/042
E194/E155

100 milliHenries does not prevent breakdown of operation. Recurrent reconnection requires a reactor of considerably less inductance. In order to determine this value, tests were made under regenerative conditions on a sub-station with an inverter and two rectifiers. An electric locomotive type ВЛ 22 м (VL 22 m) was regenerating with two motors in a single circuit. The maximum reactor current was 220 A. At the instant when the inverter ceased to operate, the current rose to 970 A and flashover occurred on the motor commutator. The test results provided a basis for the calculations. Using the method of superposition, the circuit was represented in the form of two equivalent circuits. The operator method was used to analyse the circuits. Calculations by the formulae that were derived gave a maximum current i of 1090 A, which is in good agreement with test data. It is taken that i_{max} should not exceed twice the hourly rating or 1800 A (in parallel connection) and for locomotive VL 22 m a reactor inductance of 10 milliHenries is recommended. The calculated value i_{max} then equals 1330 A, which is quite permissible. In designing the reactor it is

Card 2/3

Determination of the inductance ... S/196/61/000/011/039/042
E194/E155

necessary to allow for the number of rectifiers operating in parallel, for the voltage on the busbars and for the distance of the locomotive from the sub-station. The method of calculation can be used for any power equipment of rectifier sub-stations and of electric rolling stock.
3 illustrations, 3 literature references.

[Abstractor's note: Complete translation.]

Card 3/3

RUDNEV, V.N., kand. tekhn. nauk

Study of the operation of IVS-300/5 ignitrons with grid
internally fed by the anode. Trudy TSNII MPS no.250:46-55
'63. (MIRA 16:6)

(Mercury-arc rectifiers)
(Electric locomotives--Electric equipment)

RUDNEV, V.N., kand. tekhn. nauk

Analysis of possibilities for preventing inverse firing in
mercury rectifiers. Trudy TSNII MPS no.250:19-45 '63.
(MIRA 16:6)

(Mercury-arc rectifiers)

(Electric railroads—Current supply)

L 11989-66 EWT(1)/ENA(h) GW
ACC NR: AT5028865
AUTHOR: Kozlov, Ye. A.; Rudnev, V. N.
ORG: All-Union Scientific Research Institute of Geophysical Prospecting Methods, Moscow (Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki)
TITLE: Determination of the sources of error in the method of reflected waves (Part II)
SOURCE: Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki. Prikladnaya geofizika, no. 44, 1965, 15-24
TOPIC TAGS: seismic prospecting, seismic wave
ABSTRACT: Methods of evaluating the main sources of error in a single determination of depth by the method of reflected waves based on a statistical analysis of the data are proposed. The methods of discriminating the main source of error by means of graphs of $\zeta(\epsilon)$ or $\Delta H(h)$ are valuable because they make complete use of factual data and are free of a number of prior assumptions; their disadvantages are discussed. It was confirmed that the main sources of error in seismic prospecting by

1/2

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ACC NR: AT5028865

the method of reflected waves in Western Ciscaucasia and Kuybyshev Zavolzh'ye were correlation and approximation errors. Ergo, in evaluating the accuracy of work in these regions, it is insufficient to consider random errors of time measurement and graphical errors alone as has previously been the case. In considering the magnitude of the approximation errors, it is necessary to keep in mind that--given the present level of the method of reflected waves--the continuous tracking of reflection horizons will permit a reduction of the root-mean-square errors of mapping Cretaceous (Ciscaucasia) and Carboniferous-Devonian (Zavolzh'ye) horizons by an average of 15 to 25 m. Orig. art. has: 2 figures.

SUB CODE: 08,17/ SUBM DATE: 00/ ORIG REF: 004/ OTH REF: 000

Cord 2/2

S/169/62/000/007/034/149
D228/D307

AUTHORS: Rudnev, V. N. and Karayev, B. M.

TITLE: Seismic surveying accuracy and the stratification of phantom horizons in the Azerbaydzhan SSR

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 7, 1962, 23, abstract 7A151 (V sb. Sostoyaniye i perspektivy razvitiya geofiz. metodov poiskov i razvedki polezn. iskopayemykh, M., Gostoptekhizdat, 1961, 316-320)

TEXT: The results of analyzing the accuracy of seismic survey data are cited. The mean velocity was determined with an error of 0.2 - 0.7% from seismic logging data and with one of 2% from reflected wave recordings. The form of the mean velocity isolines in the sections is similar to that of the geologic boundaries. The error in the dip angles of the reflecting horizons comprises 3°20' for the Apsheronskiy Peninsula and 1°50' for the Prikurinskaya Lowlands. /Abstracter's note: Complete translation./

Card 1/1

RUDNEV, V.N.; TUMIKYAN, G.G.

Letter to the editor. Azerb. neft. khoz. 38 no.7:9 J1 '59.
(MIRA 13:9)

(Kura Lowland--Geology, Structural)

RUDNEV, V.N., kand.tekhn.nauk

Improvement of inverter circuits. Vest. TSNII MPS 20 no.7:57-59
'61. (MIRA 14:12)

(Electric railroads--Substations)
(Electric current rectifiers)

SOROKIN, V.I., inzh.; OSIPOV, S.I., inzh.; NEMUKHIN, V.P., kand.tekhn.nauk;
RUDNEV, V.N., inzh.

Replies to readers' questions. *Elek.i tepl.tiaga* 4 no.2:43-44 F
'60. (MIRA 13:6)

(Railroad engineering)

VAYSMAN, G.I.; RUDNEV, V.N.

Adapting the seismic station SS-26-51D for correlation refraction
work. Razved.i prom.geofiz. no.10:31-36 '54. (MIRA 13:2)
(Prospecting--Geophysical methods)

RUDNEV, V.N.

Correcting the dip angle of the reflecting surface for the
vertical gradient of average velocity. Razved. i prom. geofiz.
no.28:3-16 '59. (MIRA 13:1)
(Prospecting--Geophysical methods)

RUDNEV, V.N., inzh.

Simple method for reducing arc-back in rectifiers. Elek.1
topl.tiaga 3 no.7:19-20 J1 '59. (MIRA 13:3)
(Electric current rectifiers)

MOCHENOV, I.G., inzh.; RUDNEV, V.N., kand.tekhn.nauk; SOKOLOV, S.D., kand.
tekhn.nauk; PETRUSHKOVA, I.K., inzh., red.; MEDVEDEVA, M.A., tekhn.
red.

[Studying the power supply systems of electrified railroads]
Issledovaniia ustroistv energosnabzheniia elektrifitsirovannykh
zheleznykh dorog. Moskva, Vses.izdatel'sko-poligr. ob"edinenie
m-va putei soob., 1961. 68 p. (Moscow. Vsesoiuznyi nauchno-
issledovatel'skii institut zheleznodorozhnogo transporta. Trudy,
no.206). (MIRA 14:5)

(Electric railroads—Current supply)

RUDNEV, Y.N.

Evaluating the accuracy of hodographs of reflected waves by the
dispersion of values of effective velocity. Prikl. geofiz.no.15:24-
32 '56. (MLRA 10:1)

(Seismic waves)

5280

Evaluating the Precision of Odographs From Reflected (Cont.) 15-57-4-5280

reflected wave. For each interval of time (or depth), the average square of error of ΔT for one observation of time is calculated.

Card 2/2

Ye. P. V.

KUDNEV, V.IV

PHASE I BOOK EXPLOITATION 1077

Prikladnaya geofizika; sbornik statey, vyp. 20 (Applied Geophysics; Collection of Articles, v. 20) Moscow, Gostoptekhizdat, 1958. 267 p. 3,000 copies printed.

Sponsoring Agency: Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki.

Ed.: Polshkov, M.K.; Executive Ed.: Kuz'mina, N.N.; Tech. Ed.: Solomonidin, S.M.

PURPOSE: This collection of articles is published for scientific, engineering and technical personnel interested in problems of applied geophysics.

COVERAGE: These articles are concerned with the methodology of interpreting the results of gravimetric, seismic and electrical surveys. A new method of depth finding using ultrasonic principles is described in the article by L.A. Sergeyev. Other articles review the collecting properties of rocks on the basis of data obtained from resistometers and the application of charged particle accelerators in well logging.

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Applied Geophysics; Collection of Articles, v. 20)

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MM/fal
1-23-59

RUDNEV, V.N.

~~Assumed horizons in seismic reflection surveys on land in the~~
Azerbaijan S.S.R. Prikl. geofiz. no.20:46-59 '58.

(Azerbaijan--Prospecting--Geophysical methods) (MIRA 11:11)

RUDNEV, V.L., inzh.

Protection of electric locomotive regenerative systems during
emergency cut-outs of inverters. Elek. i tepl. tiaga 2 no.9:
7-10 S '58. (MIRA 11:10)
(Electric locomotives)

MOCHENOV, I.G., kand.tekhn.nauk; SOKOLOV, S.D., kand.tekhn.nauk;
RUDNEV, V.N., kand.tekhn.nauk

Selecting the polygon of regeneration and the receiver of excess
power. Vest. TSNII MPS 23 no.1:18-22 '64. (MIRA 17:4)

RUDNEV, V. N. and VEYSMAN, G. I.

"Adjustment of the Seismostation SS-26-51-D for Operation on KMPV".
Razved. i Promysl. Geofizika, No 10, pp 31-36, 1954.

The rather simple adjustment of the amplifier stage of the seismostation SS-26-51-D to passing by means of relays from reflected wave filtration to filtrations KMPV is described. The simplified circuits of amplifier adjustment are given. (RZhFiz, No 11, 1955)

SO: Sum No 884, 9 Apr 1956

KHARLAMENKO, V. I.; SADAYEV, N. G.; RUDNEV, V. P.

Using an ejector in pumping stations for pumping out leakage.
Transp i khran'nefti no. 11:11-13 '63 (MIRA 17:5)

1. Ufimskiy neftyanoy institut.

RUDNEV, V. S.

Ethnic Types - Malaya (Federation)

Peoples of Malaya. Sov. etn., No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

KUZNETSKIY, V.V.; NIFONTOV, N.G.; RODIONOV Yu.P.; RUDNEV, V.V.

Study of a surface varactor with metal-titanium dioxide-silicon
structure. Izv. vys. ucheb. zav.; radiotekh. 8 no.2:212-221
Apr 1965. (MIRA 18:7)

RUDNEV, V.V.

None shortcomings in the organization of technical education.
Voztekhnobuch. no. 8:3-5 Ag '57. (MLRA 10:9)
(Technical education)

RUDNIN V. E.
RUDNIN, V. E.

Sila otdachi avtomaticheskogo oruzhiia na samolete. (Tekhnika
vozdushnogo flota, 1945, no. 3, p. 10-25, and p. 40, diagrs.)
Title tr.: Recoil force of aircraft automatic weapons.

TL504.Th 1945

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

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AUTHOR: Kuznetskiy, V. V.; Nifontov, N. G.; Rodionov, Yu. P.; Rudnev, V. V.

TITLE: Investigation of a surface varactor having a metal-titanium-dioxide-silicon structure

SOURCE: ⁿ¹IVUZ. Radiotekhnika, v. 8, no. 2, 1965, 213-221

TOPIC TAGS: varactor, metal titanium dioxide silicon varactor

ABSTRACT: The principle of operation of a surface varactor is examined. The following parameters of surface varactors with a titanium dioxide dielectric are measured: capacitance vs frequency (10^3 – 10^6 cps) at zero bias; capacitance vs bias voltage ($-4+5$ v) at 10^3 , 10^4 , 10^5 , 10^6 cps; loss resistance vs bias voltage ($-3+1$ v) at 10^4 – 10^6 cps. Q-factor vs frequency and vs bias voltage curves were estimated from the above measured data. It is found that: 1) The capacitance-range factor

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reaches high values of about 15 or 20, and in some specimens, over 100. 2) The varactor capacitance decreases with the increasing frequency, but starting from 10^6 cps, the capacitance remains practically constant, 3) The loss resistance is nonlinear and frequency dependent, 4) The Q-factor is very low (2-9) within the actual capacitance-variation range. Orig. art. has: 10 figures. [03]

ASSOCIATION: none

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NO REF SOV: 003

ENCL: 00

OTHER: 010

SUB CODE: EC

ATD PRESS: 4024

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RUDNEV, Ye. D.

Spraying

"Inexpensive emulsifiers for mineral oil emulsion." Sad i og. no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

TUBES

RUDNEV YE. V.
"RGM-500 Oscillator Triode with Continuous Vacuum Pumping," by A. L. Mints, M. I. Basalayev, N. I. Oganov, and Ye. V. Rudnev, Radiotekhnika i Elektronika, No 10, October 1957, pp 1240-1252.

Description of the construction of a dismountable oscillator triode with continuous vacuum pumping, having a useful power of 500 kw.

The tube has several features that distinguish it from previous models, and the article contains an extensive, description of the mechanical and electrical parameters of the tube, as well as some test results.

Rudnev, Ye. V.
 AUTHORS: Mints, A.L., Basalayev, M.I., Oganov, N.I. and Rudnev
 TITLE: A Continuously-evacuated Power Triode Type PTM-500
 (Generatornyy triod s nepreryvnoy otkachkoy RGM-500)
 PERIODICAL: Radiotekhnika i Elektronika, 1957, Vol.II, No.10,
 pp. 1240 - 1252 (USSR)

ABSTRACT: The authors of this article have been engaged during the last few years on the development of a 500 kW triode, whose construction differs substantially from that of the earlier models. Four such triodes, type PTM-500, have been employed successfully at one of the Moscow medium-wave broadcasting stations and two triodes have given a satisfactory performance in high-power, short-wave transmitters. Design of the triode was carried out on the basis of the theory given by Kuzunoza (Ref.4) and Zusmanovskiy (Ref.3). Some of the technical data of the triode are as follows: emission current 350 A, cathode efficiency 8.55 mA/W, cathode life 3 000 hours, heater power 40 kW, length of the active portion of the cathode wires 350 mm, diameter of the cathode wires 1.2 mm, number of cathode wires 36 (12 wires per phase), heater voltage 17.2 V, heater current in each phase 780 A, diameter of the cathode "cylinder" 160 mm, diameter of the grid "cylinder" 170 mm,

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A Continuously-evacuated Power Triode Type PTM-500. 109-10-3/19

internal diameter of the anode 210 mm, diameter of the grid wires 0.6 mm and the spacing between the grid wires 5 mm. The tube has a mutual conductance of 250 mA/V, grid-cathode capacitance of 302 pF, anode-cathode capacitance of 12.5 pF and anode-grid capacitance of 216 pF; amplification factor of the tube at the anode current of 100 A is 23, and at the anode voltage of 10 kV the tube can give an output power of 500 kW. The maximum dissipation power of the tube is 500 kW at the anode and 15 kW at the grid, if the tube is cooled at a rate of 550 litres of water per minute. The body of the tube is in the form of a hollow cylinder consisting of six copper flanges having the form of flat rings which are separated from each other by means of hollow cylindrical quartz insulators. (Overall views of the tube are given in Figs. 2 and 3, while constructional details are indicated in Figs. 4-8) The grid of the tube is in the form of a "tread mill" consisting of 9 molybdenum rods fixed on to molybdenum rings (see Fig. 7). The grid wires are in the form of tungsten rings mounted around the cage. The anode is in the form of a hollow copper cylinder having a height of 550 mm. The lower end of the anode is terminated with a copper flange (see Fig 8 and 4), while the upper end contains

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RUDNEV, YU.V.

O nekotorykh dvizheniakh gaza s peremennoi entropiei i polnoi energiei.
(Akademiia Nauk SSSR. Doklady. Novaia seriia, 1948, v. 59, no.5, p.869-870)

Title tr.: On some motions of a gas with variable entropy and total energy.

AS 262.52662 v. 59

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress,
1955

PHASE I BOOK EXPLOITATION

SOV/5077

Rudnev, Yuriy Mikhaylovich

Shtampovka s primeneniye elektromagnitnykh blokov (Stamping With Electromagnetic Punch and Die Sets) Moscow, Mashgiz, 1960. 57 p. 4,000 copies printed.

Ed.: N.A. Sytnik, Engineer; Tech. Ed.: L.P. Gordeyeva; Managing Ed. for Literature on Hot-Processed Metals: S.Ya. Golovin, Engineer.

PURPOSE: This booklet is intended for tool designers and process engineers in blanking, chassis, and tool shops of instrument plants.

COVERAGE: The booklet contains a short review of Soviet and non-Soviet experience in stamping instrument parts in dies with mechanical and electromagnetic holding on universal punch and die sets, stationary pneumatic dies, magnetic dies, and special press equipment. The following are also discussed: the drop-through blanking of small sheet-metal parts, future prospects in the use of electromagnetic punch and die sets and thin-plate tool members for blanking, bending, and drawing, and the application of the group method for stamping large parts

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